



COMMON COURSE OUTLINE: Course discipline/number/title: AMT 1740: Ignition Theory

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 2
3. Prerequisites (if any): None
4. Co-requisites (if any): None
5. MnTC Goals (if any): NA

This course covers the design, function, diagnosis, and repair steps of conventional and electronic ignition systems.
Recommended Entry Skills/Knowledge: High School Diploma/GED.

B. DATE LAST REVISED (use current date): April, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:

1. History and Design of Ignition Systems
2. Design and Function of Current Ignition Systems
3. Ignition Timing Factors
4. Diagnosis and Repair of Ignition Systems
5. Ignition Oscilloscope Analyzers

D. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Describe ignition system operation.
2. Describe various ignition designs.
3. List repair and diagnosis steps.
4. Evaluate ignition oscilloscope patterns.
5. Explain ignition timing procedures.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

1. Quizzes
2. Tests
3. Assignments
4. Worksheets

G. SPECIAL INFORMATION (if any): None